

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

Claim 1 (currently amended): A method for producing a labeled gene ~~nucleic acid~~ or protein, wherein the method comprises binding the gene ~~nucleic acid~~ or protein to an LSI (large scale integrated circuit), and recording specific information on the LSI, wherein the specific information is characteristic to the gene or protein bound to the LSI.

Claim 2 (canceled)

Claim 3 (currently amended): The method of claim 1, wherein a substrate mediates the binding of the gene ~~nucleic acid~~ or protein to the LSI.

Claim 4 (original): The method of claim 3, wherein the substrate is selected from the group consisting of cellulose vinyl acetate, α -cyanoacrylate, silicon denatured polymer, epoxy resin, and calcium sulfate.

Claim 5 (original): The method of claim 1, wherein an antibody bound to the protein mediates the binding of the protein to the LSI.

Claim 6 (previously presented): The method of claim 1, wherein the protein
(i) has a sugar chain and (ii) is attached to the LSI via the sugar chain, and a
characteristic of the sugar chain of the protein is described on the LSI.